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SIVA KUMAR VOLUPALLI

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| Experience |  | * 4.6 years’ Experience in Automation framework development using Python. * Experience in working on automating Enterprise Hybrid cloud which EMC cloud solutions * Working in Automation Framework Development for EMC Enterprise Hybrid Cloud. * Worked as an Automation Engineer in NSX-V System Testing, which is a Network Virtualization Solution from VMware using Python. * Worked as a Python Developer in Automation Framework Development for Actifio Backup Storage solution CDS – IBM SVC. * Working Experience on VMware vSphere 6.5. * Working Experience on VMware vRealize Automation (vRA) and VMware vRealize Orchestrator (vRO). * Experience with Robot Test Automation Framework. * Experience working with version control systems- SVC, GIT, Gerrit. * Experience working with Defect tracking tools – JIRA. * Experience working with CI System – Bamboo Server, Integrating CI with Dockers. |
| WORK EXpERIENCE |  | Current Employer: DELL EMC, Bangalore  Designation: Software Quality Senior Engineer  Experience: Jan 2018 – Till Date  Employer: NEXII IT LABS Pvt. Ltd, Hyderabad  Designation: Senior Software Quality Engineer  Experience: Dec 2013 – Jan 2018 |
| TECHNICAL SKILLS |  | Platform: Windows, Linux  Language: Python, Selenium  Web Application Framework: Python Django framework  Test Automation Framework: Robot Framework  Storage: IBM SAN, Actifio backup storage |
| Education |  | * B-TECH from Swarnandhra College of Engineering and Technology with an aggregate of 79%. * Intermediate (MPC) from Sri Gowtami Jr College with a percentage of 97% |
| PROFESSIONAlEXPERIENCE |  | **PROJECTS**  DELL EMC(Formerly EMC2), Bangalore  **EMC Enterprise Hybrid Cloud.**  **Role: Software Quality Senior Engineer**  **Description**  EMC Federation Enterprise Hybrid Cloud is a [reference architecture](http://whatis.techtarget.com/definition/reference-architecture) for a [storage](http://searchstorage.techtarget.com/definition/storage) platform that integrates [public](http://searchcloudcomputing.techtarget.com/definition/public-cloud) and [private cloud storage](http://searchcloudstorage.techtarget.com/definition/private-cloud-storage). The architecture is composed of technologies from EMC's Federation -- the group of EMC's main storage businesses as well as [VMware](http://searchvmware.techtarget.com/definition/VMware) and Pivotal. Federation Enterprise Hybrid Cloud uses EMC storage [hardware](http://searchnetworking.techtarget.com/definition/hardware) and EMC ViPR [software](http://searchsoa.techtarget.com/definition/software) to [virtualize that storage](http://searchvirtualstorage.techtarget.com/definition/virtual-storage). It also makes use of [VMware's vCloud](http://searchvmware.techtarget.com/definition/VMware-vCloud-Suite) public cloud platform automation and management capabilities, and technology from CloudLink for [encryption](http://searchsecurity.techtarget.com/definition/encryption) and security. Users can access, [provision](http://searchsoa.techtarget.com/definition/provisioning) and manage the platform through a self-service portal.  The key features involve providing IT as a service, mixing private and public clouds, Data Protection with proprietary Recover Point software. Using VMware’s VRO(Vmware VRealize Orchestrator), user can create blueprints and provide catalogue services to create virtual machines. These machines can be protected using Recover Point and can be synced across sites at different geographical locations.  **Responsibilities:**   * Designing the Automation Framework for Functional Testing in Python. * Developed Libraries for Functional Automation for different components i.e. vRO, vRA and Recoverpoint for vms. * Implemented the Associated Use Cases for Functional Automation using vRO, vRA and RP REST APIs. * Developed the User workflows in End to End Automation, developed AUCs to test the GUI of Enterprise Hybrid Cloud using selenium with Python. * Integrated Robot Framework * Regression and Functional Testing of EHC Recover point of vms by verification of catalog services. * Preparing CI plans for EHC User workflows to run plans in Bamboo server with integrated Docker Containers.//   **Tools:**  VMware vSphere Client,  vRealize Orchestrator(vRO)  vRealize Automation Cloud Automation Software(vCAC)  **Languages:**  Python, Robot Framework, Django, Selenium  NEXII IT LABS Pvt Ltd, Hyderabad  Client: VMware Software India Pvt. Ltd, Pune  **NSX-V System Testing.**  **Role: Quality Engineer(Automation)**  **Description**  VMware NSX® is the network virtualization and security platform for the Software-Defined Data Center (SDDC), delivering the operational model of a virtual machine for entire networks. With NSX, network functions including switching, routing, and firewalling are embedded in the hypervisor and distributed across the environment creating a “network hypervisor” that acts as a platform for virtual networking and security services. Similar to the operational model of virtual machines, virtual networks are programmatically provisioned and managed independently of underlying hardware. NSX reproduces the entire network model in software, enabling any network topology—from simple to complex multitier networks—to be created and provisioned in seconds.  **Responsibilities:**   * Automating the NSX-V entire topology Deployment. * Writing test cases based on the user story provided for NSX-V System Testing. * Automating the testcases for NSX-V System testing and incorporating in the existing framework.   **Tools:**  VMware vSphere Web Client.  **Languages:**  Python  NEXII IT LABS Pvt Ltd, Hyderabad  Client: Actifio, Hyderabad  **ACTIFIO CDS ( IBM SVC)**  **Role: Software Quality Engineer**  **Description:**  Copy Data Virtualization frees increasingly strategic data from increasingly commoditized infrastructure, replacing the many siloed systems you’re using today to protect and access copies of the same production data. It replaces all the software licensing and capital intensive hardware tied up in Backup, Snapshot, Disaster Recovery, Business Continuity, Dev & Test, Compliance, Analytics, and other systems with a single, radically simple approach that does one thing: Make whatever data, from whenever it was created, available wherever you need it.  **Responsibilities:**   * Involved in Automation Framework Design and Development of feature which included back up of Application based on SLA. * Involved in designing libraries i.e. CDS, Hosts(Linux, Windows, Solaris etc..) which acts as interface for testing Actifio functionality in Python. * Used Cli Commands for Host Specific Functionality and REST calls for Actifio CDS Functionality. * Written test cases in Python using the Libraries Implemented. * Used Perl for VMWare Related Test cases.   **Tools:**  VMware Vsphere, Actifio Desktop  **Language:**  **Python, Perl**  **Log Analyzer Tool**  **Language: Python**   * It is a tool for parsing 19 different log files generated on various EMC's servers written in Python. * Log analyzer tool connects to different servers, collects all the log file data and filters it as per required time-stamps, search and no-search keywords. * It sorts all the log file data as per time-stamps and creates a single master output file. This reduces the time spent on debugging errors. * Errors logs are also generated by log analyzer tool if any exceptional events are encountered e.g. tool is unable to connect to server etc.   **SoftConfig Tool**  **Language: Python**   * Soft configuration is a series of configurations steps in building the system before test case can be executed. * Manual testing requires claiming of devices, virtual volumes and raid devices by running the configuration command manually. * Python Script reduces time taken for this manual process by automating claiming of devices, virtual volumes and raid devices. |
| DECLARATION |  | The above statements are true to the best of my knowledge and belief.    Siva Kumar |